

Patent  
Attorney's Docket No. RIC-02-009



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )  
Nandagopal Venugopal et al. ) Group Art Unit: Unassigned  
Application No.: 10/797,029 ) Examiner: Unassigned  
Filed: March 11, 2004 )  
For: APPARATUS AND METHOD )  
FOR DESIGNING RING COVERS )

INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER

U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, Virginia 22202

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- No additional fee for submission of the IDS is required.
- The fee of \$180.00 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- Charge \$ \_\_\_\_\_ to Deposit Account No. 13-2491 for the fee due.
- A check in the amount of \$ \_\_\_\_\_ is enclosed for the fee due.

Information Disclosure Statement Transmittal Letter  
Application Serial No. 10/797,029  
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The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R.  
§§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to  
Deposit Account No. 13-2491.

Respectfully submitted,

HARRITY & SNYDER, L.L.P.

By:   
Richard C. Irving  
Reg. No. 38,499

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Suite 300  
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Date: April 7, 2004

Patent  
Attorney's Docket No. **RIC-02-009**

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In re Patent Application of )  
Nandagopal Venugopal et al. ) Group Art Unit: Unassigned  
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Title: APPARATUS AND METHOD )  
FOR DESIGNING RING COVERS )

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, Virginia 22202

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant(s) bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action in the above-referenced application. As such, no certification or fee is required. Copies of the non-patent documents are attached.

Applicant(s) respectfully request(s) that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

Information Disclosure Statement Under 37 C.F.R. § 1.97(b)  
Application Serial No. 10/797,029  
Attorney's Docket No. **RIC-02-009**  
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If any copending application(s) is/are cited on the attached PTO 1449, the Examiner's attention is directed to the foregoing application(s) in compliance with § 2001.06(b) of the Manual of Patent Examining Procedure. By identifying the copending application(s), the assignee and/or applicant of the application(s) do not waive confidentiality of the application(s). Accordingly, the U.S. Patent and Trademark Office is requested to maintain the confidentiality of the copending application(s) under 35 U.S.C. § 122.

This submission does not represent that a search has been made and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicant(s) determine(s) that the cited document(s) do not constitute "prior art" under United States law, Applicant(s) reserve(s) the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

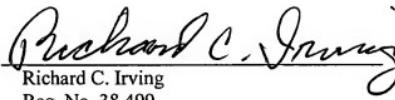
Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Information Disclosure Statement Under 37 C.F.R. § 1.97(b)  
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If there is any fee due in connection with the filing of this Statement, please charge the  
fee to our Deposit Account No. 13-2491.

Respectfully submitted,

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Richard C. Irving  
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Suite 300  
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(571) 432-0800

Date: April 7, 2004

SHEET 1 OF 1

**INFORMATION  
DISCLOSURE  
CITATION**  
PTO-1449



|   |                               |
|---|-------------------------------|
| ATTORNEY'S DKT NO.<br>RIC-02-009            | APPLICATION NO.<br>10/797,029 |
| APPLICANT(S)<br>Nandagopal Venugopal et al. |                               |
| FILING DATE<br>March 11, 2004               | GROUP<br>Unassigned           |

**U.S. PATENT DOCUMENTS**

| EXAMINER'S INITIALS | PATENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---------------------|------------|------|------|-------|----------|-------------|
|                     |            |      |      |       |          |             |
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|                     |            |      |      |       |          |             |
|                     |            |      |      |       |          |             |
|                     |            |      |      |       |          |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER'S INITIALS | PATENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | Translation<br>Yes No |
|---------------------|------------|------|---------|-------|----------|-----------------------|
|                     |            |      |         |       |          |                       |
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|                     |            |      |         |       |          |                       |
|                     |            |      |         |       |          |                       |
|                     |            |      |         |       |          |                       |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

|        |   |
|--------|---|
| /S.K./ | Linda Morales Gardner et al.: "Net Solver: A Software Tool for the Design of Survivable Networks," Proceedings from IEEE GLOBECOM; 1995; pages 926-930.   |
| /S.K./ | J.B. Slevinsky et al.: "An Algorithm for Survivable Network Design Employing Multiple Self-healing Rings," Proceedings on IEEE GLOBECOM; 1993; pages 1568-1573.   |
| /S.K./ | L.M. Gardner et al.: "Techniques for Finding Ring Covers in Survivable Networks," Proceedings on IEEE GLOBECOM; 1994; pages 1862-1866.  |
| /S.K./ | Jeff Kennington et al.: "Optimization Based Algorithms for Finding Minimal Cost Ring Covers in Survivable Networks," <i>Computational Optimization and Applications</i> , 14; 1999 Kluwer Academic Publishers; pages 219-230. |

|          |                |                 |            |
|----------|----------------|-----------------|------------|
| EXAMINER | /Suk Jin Kang/ | DATE CONSIDERED | 09/25/2008 |
|----------|----------------|-----------------|------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s)